Recombinant Human CD320 Protein, C-His-tagged

Cat. No. CD320-238H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD320 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	The 8D6 protein, also known as 8D6A, CD320 or FDC-SM-8D6, is a single pass, type I membrane protein with two low-density lipoprotein receptor ligand binding repeats (LDL-A modules). It is expressed by follicular dendritic cells in the germinal center and acts as a stimulatory signaling molecule. Follicular dendritic cells and T cells interact with germinal center B cells, providing signals for survival, proliferation and differentiation into memory B cells and plasma cells. A disruption of this interaction results in apoptosis of B cells. 8D6 is a growth factor required for plasma cell generation from germinal center B cells. Protein 8D6, together with HCAM (or CD44), plays a significant role in the proliferation of lymphoma cells of germinal center origin. 8D6 is responsible for enhancing proliferation while HCAM inhibits apoptosis.
Molecular Mass	~21 kDa
AA Sequence	SPLSTPTSAQAAGPSSGSCPPTKFQCRTSGLCVPLTWRCDRDLDCSDGSDEEECRI EPCTQKGQCPPPPGLPCPCTGVSDCSGGTDKKLRNCSRLACLAGELRCTLSDDCIP LTWRCDGHPDCPDSSDELGCGTNEILPEGDATTMGPPVTLESVTSLRNATTMGPPV TLESVPSVGNATSSSAGDQSGSPTAY
Purity	Transferred into competent cells and the supernatant was purified by NI column

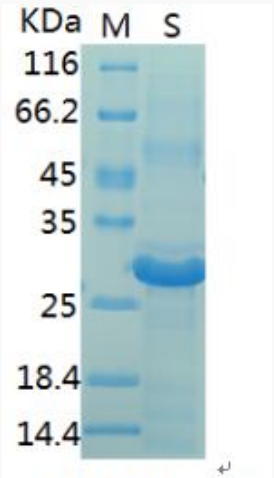
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	affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name	CD320 CD320 molecule [Homo sapiens (human)]
Official Symbol	CD320
Synonyms	CD320; CD320 molecule; 8D6; 8D6A; TCBLR; TCN2R; TCII-R; sCD320; CD320 antigen; 8D6 antigen; FDC-SM-8D6; FDC-signaling molecule 8D6; soluble CD320; transcobalamin 2 receptor; transcobalamin receptor
Gene ID	51293
mRNA Refseq	NM_016579
Protein Refseq	NP_057663
MIM	606475
UniProt ID	Q9NPF0

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SDS-PAGE	 SDS-PAGE Result

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